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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:42:11 ; Search time 10.8031 Seconds
(without alignments)
283.251 Million cell updates/sec

Title: US-09-622-613B-2

Perfect score: 578
Sequence: 1 QDWLTFQKHILTFNRDVCN.....TFCVTCENQAPVHFVGHC 104

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2-6/ptodata/1/1aa/5A_COMB.pep.*
2: /cgn2-6/ptodata/1/1aa/5B_COMB.pep.*
3: /cgn2-6/ptodata/1/1aa/6A_COMB.pep.*
4: /cgn2-6/ptodata/1/1aa/6B_COMB.pep.*
5: /cgn2-6/ptodata/1/1aa/PCTUS_COMB.pep.*
6: /cgn2-6/ptodata/1/1aa/Backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|------------------|
| 1 | 558 | 96.5 | 104 | 1 | US-08-467-955-2 |
| 2 | 556 | 96.2 | 104 | 4 | US-09-394-268-1 |
| 3 | 556 | 96.2 | 104 | 4 | US-09-687-748-1 |
| 4 | 556 | 96.2 | 129 | 3 | US-08-875-811-63 |
| 5 | 556 | 96.2 | 379 | 3 | US-08-875-811-43 |
| 6 | 553 | 95.7 | 104 | 1 | US-08-283-971-1 |
| 7 | 553 | 95.7 | 104 | 1 | US-07-921-619-1 |
| 8 | 553 | 95.7 | 104 | 1 | US-08-467-955-1 |
| 9 | 553 | 95.7 | 104 | 2 | US-08-891-848-13 |
| 10 | 553 | 95.7 | 105 | 3 | US-08-875-811-39 |
| 11 | 553 | 95.7 | 355 | 3 | US-08-875-811-41 |
| 12 | 553 | 95.7 | 358 | 3 | US-08-875-811-51 |
| 13 | 551 | 95.3 | 104 | 3 | US-08-875-811-1 |
| 14 | 551 | 95.3 | 104 | 4 | US-09-071-672-1 |
| 15 | 551 | 95.3 | 106 | 3 | US-08-875-811-28 |
| 16 | 551 | 95.3 | 107 | 3 | US-08-875-811-30 |
| 17 | 551 | 95.3 | 112 | 3 | US-08-875-811-32 |
| 18 | 551 | 95.3 | 251 | 3 | US-08-875-811-59 |
| 19 | 551 | 95.3 | 254 | 3 | US-08-875-811-61 |
| 20 | 551 | 95.3 | 335 | 3 | US-08-875-811-49 |
| 21 | 551 | 95.3 | 335 | 3 | US-08-875-811-57 |
| 22 | 551 | 95.3 | 355 | 3 | US-08-875-811-64 |
| 23 | 551 | 95.3 | 366 | 3 | US-08-875-811-55 |
| 24 | 548 | 94.8 | 104 | 4 | US-09-394-268-2 |
| 25 | 548 | 94.8 | 104 | 4 | US-09-687-748-2 |
| 26 | 546 | 94.5 | 105 | 3 | US-08-875-811-24 |
| 27 | 546 | 94.5 | 105 | 3 | US-08-875-811-26 |

| | | | | | | |
|----|-------|------|-----|---|------------------|-------------------|
| 28 | 542 | 93.8 | 358 | 3 | US-08-875-811-45 | Sequence 45, Appl |
| 29 | 542 | 93.8 | 365 | 3 | US-08-875-811-53 | Sequence 53, Appl |
| 30 | 527 | 91.2 | 107 | 3 | US-08-875-811-20 | Sequence 20, Appl |
| 31 | 490 | 84.8 | 360 | 3 | US-08-875-811-47 | Sequence 47, Appl |
| 32 | 483.5 | 83.7 | 111 | 3 | US-08-875-811-22 | Sequence 22, Appl |
| 33 | 445 | 77.0 | 83 | 3 | US-08-875-811-2 | Sequence 2, Appl |
| 34 | 445 | 77.0 | 83 | 4 | US-09-071-672-3 | Sequence 3, Appl |
| 35 | 289 | 50.0 | 111 | 2 | US-08-891-848-12 | Sequence 12, Appl |
| 36 | 289 | 50.0 | 111 | 3 | US-08-875-811-8 | Sequence 8, Appl |
| 37 | 217.5 | 37.6 | 114 | 4 | US-09-223-118-4 | Sequence 4, Appl |
| 38 | 205.5 | 35.6 | 114 | 4 | US-09-223-118-2 | Sequence 2, Appl |
| 39 | 204.5 | 35.4 | 114 | 4 | US-09-223-118-1 | Sequence 1, Appl |
| 40 | 202.5 | 35.0 | 114 | 4 | US-09-223-118-3 | Sequence 3, Appl |
| 41 | 157.5 | 27.2 | 169 | 1 | US-08-441-629-2 | Sequence 2, Appl |
| 42 | 157.5 | 27.2 | 169 | 3 | US-08-776-207-2 | Sequence 2, Appl |
| 43 | 157.5 | 27.2 | 169 | 4 | US-09-507-773-2 | Sequence 2, Appl |
| 44 | 157.5 | 27.2 | 169 | 5 | PCT-US95-09172-2 | Sequence 2, Appl |
| 45 | 146 | 25.3 | 28 | 3 | US-08-875-811-3 | Sequence 3, Appl |

ALIGNMENTS

RESULT 1
US-08-467-955-2
Sequence 2, Application US/08467955
Patent No. 5728805
GENERAL INFORMATION:
APPLICANT: Ardelt Ph.D. Wojciech J.
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mark H. Jay, P.A.
STREET: P.O. Box E
CITY: Short Hills
STATE: New Jersey
COUNTRY: USA
ZIP: 07078-0383
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,955
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178,118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436,141
FILING DATE: 13-NOV-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/814,332
FILING DATE: 03-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,970
FILING DATE: 01-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5007 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-912-9066
TELEFAX: 201-912-0442
TELEX: NO. 5728805 Applicable
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match
Best Local Similarity 96.5%; Score 558; DB 1; Length 104;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDMLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
DB 1 EDMLTFQKKHNTNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
QY 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGHC 104
DB 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGRC 104

RESULT 2

US-09-394-268-1
Sequence 1, Application US/09394268
Patent No. 6175003
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
FILE REFERENCE: 5013
CURRENT APPLICATION NUMBER: US/09/394,268
CURRENT FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-394-268-1

Query Match
Best Local Similarity 96.2%; Score 556; DB 4; Length 104;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDMLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
DB 1 QDMLTFQKKHNTNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
QY 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGHC 104
DB 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGSC 104

RESULT 3

US-09-687-748-1
Sequence 1, Application US/09687748
Patent No. 6423515
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
FILE REFERENCE: 5013 US 01
CURRENT APPLICATION NUMBER: US/09/687,748
CURRENT FILING DATE: 2000-10-14
PRIOR APPLICATION NUMBER: 09/394,268
PRIOR FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-687-748-1

Query Match
Best Local Similarity 96.2%; Score 556; DB 4; Length 104;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDMLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
DB 1 QDMLTFQKKHNTNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
QY 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGHC 104
DB 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGSC 104

RESULT 4

US-08-875-811-63
Sequence 63, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 129 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-63

Query Match
Best Local Similarity 96.2%; Score 556; DB 3; Length 129;
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDMLTFQKKHLNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60
DB 26 QDMLTFQKKHNTNTRDVCNNIMSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 85
QY 61 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGHC 104
DB 86 SEFYISDCNVTSRPCKYKLRKSTNFCVTCENQAPVHVFVGSC 129

RESULT 5

US-08-875-811-43

Sequence 43, Application US/08875811
Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Luis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Paris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 43:

SEQUENCE CHARACTERISTICS:

LENGTH: 379 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-875-811-43

Query Match

Best Local Similarity 96.2%; Score 556; DB 3; Length 379;

Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKRLHNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60

DB 26 QDWLTFQKRLHNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 85

QY 61 SEFVLSDCNVTSRPCKYKRLKSTNFCVTCENQAPVHFGVGC 104

DB 86 SEFVLSDCNVTSRPCKYKRLKSTNFCVTCENQAPVHFGVGC 129

RESULT 6

US-08-283-971-1

Sequence 1, Application US/08283971

Patent No. 5529775

GENERAL INFORMATION:

APPLICANT: Ardeit Ph.D. Wojciech J.

APPLICANT: Mikulski, Stanislaw M.

TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Mark H. Jay, P.C.

STREET: P.O. Box 020083, General Post Office

CITY: Brooklyn

STATE: New York

COUNTRY: USA

ZIP: 11202-0002

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.24

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/283,971

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/921,180

FILING DATE: 30-JUL-1992

APPLICATION NUMBER: US 07/178,118

FILING DATE: 06-APR-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/436,141

FILING DATE: 13-NOV-1989

ATTORNEY/AGENT INFORMATION:

NAME: Jay, Mark H.

REGISTRATION NUMBER: 27507

REFERENCE/DOCKET NUMBER: 5006 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 718-625-0399

TELEFAX: 718-625-0399

TELEX: No. 5529775 Applicable

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 104 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: N

ANTI-SENSE: N

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: Rana pipiens

DEVELOPMENTAL STAGE: Embryo

US-08-283-971-1

Query Match

Best Local Similarity 95.2%; Score 553; DB 1; Length 104;

Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKRLHNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60

DB 1 EDWLTFQKRLHNTFRDVCNNIMSTNLFHCKDKNTFIYSRPEVKAICKGIASKNVLT 60

QY 61 SEFVLSDCNVTSRPCKYKRLKSTNFCVTCENQAPVHFGVGC 104

DB 61 SEFVLSDCNVTSRPCKYKRLKSTNFCVTCENQAPVHFGVGC 104

RESULT 7

US-07-921-619-1

Sequence 1, Application US/07921619

Patent No. 5595734

GENERAL INFORMATION:

APPLICANT: Ardeit Ph.D. Wojciech J.

APPLICANT: Mikulski, Stanislaw M.

TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Mark H. Jay, P.C.

STREET: P.O. Box 020083, General Post Office

CITY: Brooklyn

STATE: New York

COUNTRY: USA
ZIP: 11202-0002
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/921.619
FILING DATE: 19920728
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178.118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436.141
FILING DATE: 13-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5005 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 718-625-0399
TELEFAX: 718-625-0399
TELEX: No. 5595734 Applicable
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Embryo
US-07-921-619-1

Query Match 95.7%; Score 553; DB 1; Length 104;
Best Local Similarity 95.2%; Pred. No. 5.2e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 ODMLFQKKHINTRVDDNNIMSTNLFHCKDKNFTIYSRPEPVAKICKGIASKNVLT 60
DB 1 EMDLTFQKKHINTRVDDNNIMSTNLFHCKDKNFTIYSRPEPVAKICKGIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKRLKSTNTEFCVTCENQAPVHFVGVGHC 104
DB 61 SEFYLSDCNVTSPCKYKRLKSTNTEFCVTCENQAPVHFVGVGSC 104

RESULT 8
US-08-467-955-1
Sequence 1, Application US/08467955
Patent No. 5728805
GENERAL INFORMATION:
APPLICANT: Adelt Ph.D. Wojciech J.
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mark H. Jay, P.A.
STREET: P.O. Box E
CITY: Short Hills
STATE: New Jersey
COUNTRY: USA
ZIP: 07078-0383
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.24

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467.955
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178.118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436.141
FILING DATE: 13-NOV-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283.970
FILING DATE: 01-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5007 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-912-9066
TELEFAX: 201-912-0442
TELEX: No. 5728805 Applicable
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-1

Query Match 95.7%; Score 553; DB 1; Length 104;
Best Local Similarity 95.2%; Pred. No. 5.2e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 ODMLFQKKHINTRVDDNNIMSTNLFHCKDKNFTIYSRPEPVAKICKGIASKNVLT 60
DB 1 EMDLTFQKKHINTRVDDNNIMSTNLFHCKDKNFTIYSRPEPVAKICKGIASKNVLT 60
QY 61 SEFYLSDCNVTSPCKYKRLKSTNTEFCVTCENQAPVHFVGVGHC 104
DB 61 SEFYLSDCNVTSPCKYKRLKSTNTEFCVTCENQAPVHFVGVGSC 104

RESULT 9
US-08-891-848-13
Sequence 13, Application US/08891848
Patent No. 5955073
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Youle, Richard J.
APPLICANT: Newton, Dianne L.
APPLICANT: Nicholls, Peter J.
TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/891,848
FILING DATE: NO. 5955073 yet assigned
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/125,462
FILING DATE: 22-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/014,082
FILING DATE: 04-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/779,195
FILING DATE: 22-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/510,696
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-1103100S
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /label= Onc
US-08-891-848-13

Query Match 95.7% Score 553 DB 2 Length 104;
Best Local Similarity 95.2% Pred. No. 5.2e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
Db 1 EDMLTFQKKHLTNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60

QY 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 104
Db 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 104

RESULT 10
US-08-875-811-39
Sequence 39, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-39

Query Match 95.7% Score 553 DB 3 Length 105;
Best Local Similarity 95.2% Pred. No. 5.3e-60;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 QDWLTFQKKHLTNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 60
Db 2 EDMLTFQKKHLTNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPYKAICKGIASKNVLT 61

QY 61 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 104
Db 62 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFVGSHC 105

RESULT 11
US-08-875-811-41
Sequence 41, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-41

Query Match 95.7%; Score 553; DB 3; Length 355;
Best Local Similarity 95.2%; Pred. No. 2.6e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

OY 1 ODMLTFQKKHLTNRDVDCNNINSTNLFHCKDKNTFTYSRPEPVKAICKGIISKNVLT 60
Db 252 EDMLTFQKKHLTNRDVDCNNINSTNLFHCKDKNTFTYSRPEPVKAICKGIISKNVLT 311
OY 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
Db 312 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 355

RESULT 12
US-08-875-811-51
Sequence 51, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-875-811-51

Query Match 95.7%; Score 553; DB 3; Length 358;
Best Local Similarity 95.2%; Pred. No. 2.6e-59;
Matches 99; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

OY 1 ODMLTFQKKHLTNRDVDCNNINSTNLFHCKDKNTFTYSRPEPVKAICKGIISKNVLT 60
Db 2 EDMLTFQKKHLTNRDVDCNNINSTNLFHCKDKNTFTYSRPEPVKAICKGIISKNVLT 61
OY 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104
Db 62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105

RESULT 13
US-08-875-811-1
Sequence 1, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Lluis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /label="nOnc
OTHER INFORMATION: /note="native ONCONASE (Registered
OTHER INFORMATION: Trademark) from Rana pipiens"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /note="Xaa = pyroglutamic acid"

US-08-875-811-1

Query Match
Best Local Similarity 96.1%; Pred. No. 9.1e-60;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 DWLTFQKHLITNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLTTS 61
Db 2 DWLTFQKHLITNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLTTS 61
QY 62 EFTLSDCNVTSRCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104
Db 62 EFTLSDCNVTSRCKYKLRKSTNFCVTCENQAPVHFVGVGSC 104

RESULT 14

US-09-071-672-1

Sequence 1, Application US/09071672
Patent No. 6395276
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Goldenberg, David M.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-325100S
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein

FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /product= "OTHER"
OTHER INFORMATION: /note= "Xaa - Glu or pyroglutamic acid"
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /note= "Rnaase A derived from
OTHER INFORMATION: Rana pipiens, "onc protein""
US-09-071-672-1

Query Match 95.3%; Score 551; DB 4; Length 104;
Best Local Similarity 96.1%; Pred. No. 9.1e-60;

Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 DWLTFQKHLITNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLTTS 61
Db 2 DWLTFQKHLITNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLTTS 61
QY 62 EFTLSDCNVTSRCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104
Db 62 EFTLSDCNVTSRCKYKLRKSTNFCVTCENQAPVHFVGVGSC 104

RESULT 15

US-08-875-811-28

Sequence 28, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100S
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 106 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-875-811-28

Query Match 95.3%; Score 551; DB 3; Length 106;
Best Local Similarity 96.1%; Pred. No. 9.3e-60;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 DWLTFQKHLITNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLTTS 61
Db 4 DWLTFQKHLITNRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLTTS 63
QY 62 EFTLSDCNVTSRCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104
Db 64 EFTLSDCNVTSRCKYKLRKSTNFCVTCENQAPVHFVGVGSC 106

Search completed: June 25, 2003, 15:00:15

Wed Jun 25 15:53:45 2003

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Job time : 11.8031 secs